

What is claimed is:

1. A portable screen assembly, comprising:

a casing having an opening extending in a longitudinal direction on the upper surface thereof and formed by a first and second case members that extend in the longitudinal direction and are separable from each other;

a spring-biased roll rotatably mounted to the casing;

a screen wound around the spring-biased roll in storage and pulled out from the opening in use;

a top bar secured to one end of the screen and used also as a cover to close the opening in storage; and

an extendable column having one end supported at a center portion of the side face of the casing and holding the pulled out screen in a stretched state.

2. The portable screen assembly according to claim 1,

wherein the column includes one end erectably pivoted at a center portion of the side of the casing and the column holds the pulled out screen in a stretched state when erected.

3. The portable screen assembly according to claim 1,

wherein the casing connects one ends of the first and second case members in a width direction, and the other ends thereof in the width direction are separately arranged from each other to form the opening.

4. The portable screen assembly according to claim 1,

wherein a handle portion is provided at the center portion of the top bar, and a hook portion is provided at the front end of the column, the handle portion being fastened to the hook portion.

5. The a portable screen assembly according to claim 4,

wherein the hook portion is horizontally rotatably attached at the front end of the column, and when the column is laid down, the hook portion is rotated so that the column is disposed adjacent to the casing.

5         6. The portable screen assembly according to claim 1, further comprising a locking mechanism that fixes the top bar to the casing when in storage.

7. The portable screen assembly according to claim 6,

10         wherein the locking mechanism comprises an engaging portion disposed on the top bar and an engaged portion disposed on the casing and engaging with the engaging portion.

8. The portable screen assembly according to claim 7,

15         wherein the engaging portion comprises a pair of engaging members oppositely disposed in the width direction of the top bar, and the engaged portion comprises a pair of engaged members disposed at the opposed opening edges of the casing, respectively and is engaged with the engaging member.

9. The portable screen assembly according to claim 8,

20         wherein each of the engaging members is rotatably pivoted by the engaging portion; has an engaging end to be engaged with the engaged portion at one end and a control portion to control engagement and release of the engaging end at the other end; releases the engagement of the engaging end with the engaged end by rotating a pair of control portions disposed oppositely in an approaching direction; and engages the engaging  
25         end with the engaged portion by rotating the pair of control portions in a

separating direction.

10. The portable screen assembly according to claim 9,

wherein the engaging portion includes a spring member, and the spring member biases the engaging end so as to be pressed to the engaged  
5 portion in an engaged state.

11. The portable screen assembly according to claim 9,

wherein the engaging portion includes a rotatable locking mechanism to prevent the control portions from moving closely to each other in the engagement state.

10 12. The portable screen assembly according to claim 11,

wherein the rotatable locking mechanism comprising a lock member loosely inserted into an engaging portion capable of rotating between a lock position and a released position, and

wherein the rotatable locking mechanism prevents the control  
15 portions from moving closely to each other by abutting each of the opposite ends at the head of the lock member against each control portion at the lock position, and allows the control portions to move closely by releasing abutting of the opposite ends and each control portion at the release position.

13. The portable screen assembly according to claim 1,

20 wherein the column comprises a slide locking mechanism comprising a plurality of telescopic pipes that is slid each other and slidably extended, the slide locking mechanism locking the slide at the pipe at the upper level that is slidably extended and thereby to hold the column at a certain height.

14. The portable screen assembly according to claim 13,

25 wherein the slide locking mechanism comprises a tubular engaged

portion having a first slide locking mechanism for fastening a second pipe located at the upper step on a first pipe located at lowest step, the first slide locking mechanism including: a tubular engaging portion attached on the outer circumferential face at the front end of the first pipe and including an engaging member and a base portion to support the engaging member; and a tubular engaged portion including at least one through hole disposed in a longitudinal direction of the second pipe, the tubular engaged portion being engaged with the engaging member and thereby to engage the second pipe in a stretched state, the engaging member comprising a projection portion engaged with the through hole at one end and a control portion for controlling engagement and release of the projection portion and the through hole at the other end, and the engaging member being pivoted to be capable of rotating in the axial direction of the pipe on the base portion, and wherein the engagement between the projection portion and the through hole is released by pressing the control portion in the width direction of the pipe, and the projection portion is engaged with the through hole by stopping press of the control portion.

15. The portable screen assembly according to claim 14,

further comprising a control portion locking mechanism for keeping the pressed state of the control portion, thereby keeping the released state of the releasing between the projection portion and the through hole.

16. The portable screen assembly according to claim 15,

wherein the control portion locking mechanism comprises an engaging groove disposed at the base portion and an engaging pin disposed on the engaging member; and wherein the control portion is pressed in a

direction of a pipe, the engaging pin is thereby engaged in the engaging groove.

17. The portable screen assembly according to claim 14,

5 wherein the slide locking mechanism comprises a second slide locking mechanism that locks the slide of the pipe at the further front side from a second pipe, the second slide locking mechanism comprising: a tubular engaging portion disposed on the inner circumferential face at the rear end of the pipe at the upper level; and a tubular engaged portion comprising a plurality of through holes formed in the longitudinal direction of the pipe at  
10 the lower level and being engaged with the tubular engaging portion.

18. The portable screen assembly according to claim 14,

wherein a projection portion locking mechanism is provided at the front end of the pipe at the front end side, which abuts against the projection portion in a released state and guides the projection portion to be  
15 engaged with the through hole, and thereby to keep the engagement state between the projection portion and the through hole.

19. The portable screen assembly according to claim 14,

wherein the tubular engaging portion comprises a spring member that biases the projection portion so as to be pressed to the engaged portion  
20 in an engaged state.